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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/661,844	09/14/2000	Donald S. Lydon	ADC-1976	1643

7812 7590 05/19/2003

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12670 N W BARNES ROAD  
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PORTLAND, OR 97229

EXAMINER

LEE, CHI HO A

ART UNIT	PAPER NUMBER
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2663

DATE MAILED: 05/19/2003

15

Please find below and/or attached an Office communication concerning this application or proceeding.

A

# Office Action Summary

Application No.

09/661,844

Applicant(s)

LYDON ET AL.

Examiner

Andrew Lee

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-11 is/are allowed.
- 6) ☒ Claim(s) 1,2 and 12 is/are rejected.
- 7) ☒ Claim(s) 3-8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Response to Amendment*

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Richardson U.S. Patent Number 5,479,608.

Re Claim 1, fig 3a teaches nodes A & B (routing switch) both having input and output terminals, wherein Node A (a first router module) having A1I~A21 (N1 signal input terminals), MA1I (an expansion input terminal), A1O~PAO (output terminals), and cross switch 22A (a means for routing a signal and expansion input terminal signal) for selectively switching to any output terminals;

Node B (a second router module) having B1I~B21 (N2 signal input terminals), MB1I (an expansion input terminal), B1O~PBO (output terminals), and cross switch 22B (a means for routing a signal and expansion input terminal signal) for selectively switching to any output terminals (See col. 7, lines 12-62);

Within each nodes includes the stages 20 inherently includes input/output interface circuitry;

Wherein the output of MA10 (the expansion output terminal) of Node A (the first router module) is connected to the MB1I (the input expansion terminal) of Node B (the second router module) and the MB10 (output expansion terminal) of Node B is connected to MA1I (expansion input terminal) of node A.

Re Claim 2, refer to Claim 1, fig 3a includes the input terminals (input & expansion input terminals) are connected to the 22A that is a rectangular cross point matrix (See fig 1 that teaches the MXN switch), wherein it is inherent that the cross point matrix include conductors for selectively connecting the input terminals with the output terminals

4. Claim 12 is rejected under 35 U.S.C. 102(b) as being anticipated by Sakurai et al U.S. Patent Number 5,214,640.

Re Claim 12, fig. 1 teaches a routing switch comprising of SW11 (jth router) and SW 21 (other than the jth router) and fig. 5 teaches the details of the self routing switch (each router) comprises self-routing switch 51a and 51b (router modules) wherein each switch 51 (a, b) having plurality of inputs (10a-1 ~ 10a-n), plurality of outputs (9a-1 ~ 9a-q), wherein input 10a-n and output 9a-q are expansion (input and output terminals), further teaches the Signal processor (means for routing) (See col. 54, lines 23-50) for processing a signal received from the plurality of inputs (input & expansion input) at the switch 51a wherein the expansion output 9a-q of switch 51a (ith router module: ith =1) of SW 11 (jth router) is connected to the input terminal of SW 21 (ith router module: ith =2).

***Allowable Subject Matter***

5. Claims 3-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Response to Arguments***

6. Applicant's arguments with respect to claims 1, 2 and 12 have been considered but are moot in view of the new ground(s) of rejection.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 703-305-1500. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 703-308-5340. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



AI  
May 14, 2003